

What is Claimed:

1. A method for automatically generating all or part of an Extensible Stylesheet Language Transforms (“XSLT”) transform for transforming Extensible Markup Language (“XML”) data in a source file format into data in a new file format, comprising:
 - producing an input file that identifies at least one data pattern from an XML source file; and
 - producing a first process for generating an XSLT transform, wherein said first process generates at least one first feature of an output XSLT transform, and wherein said first process is designed to incorporate a second process for generating an XSLT transform; and
 - incorporating said second process into said first process, wherein said second process uses said input file to generate at least one second feature of said output XSLT transform.
2. The method of claim 1, wherein said input file identifies at least one data pattern from an XML source file by identifying at least one XPath expression.
3. The method of claim 1, wherein said input file also identifies at least one output data format for a new file.
4. The method of claim 3, further comprising pairing in said input file at least one XPath expression used to identify the at least one data pattern to an output data format for a new file.
5. The method of claim 1, further comprising using said first process to override a call initiated by said second process with a call to a portion of said first process for generating said at least one first feature of an output XSLT transform.
6. The method of claim 1, wherein said second process is an XSLT transform.
7. The method of claim 1, wherein said second process includes a process for placing at least one prefabricated XSLT transform into said output XSLT transform.
8. The method of claim 1, wherein said second process generates at least one XSLT template corresponding to the at least one data pattern from an XML source file.

9. The method of claim 8, wherein said second process includes a call to an abstract named XSLT template that can be used by said first process to initiate the insertion of additional features into said at least one XSLT template.

10. The method of claim 1, wherein said input file conforms to an XML schema.

11. A system for generating XSLT transforms, comprising:

an input file containing at least one XPath expression; and

a first XSLT transform for generating at least one first feature of an output XSLT transform; wherein said first XSLT transform incorporates a second XSLT transform for generating at least one second feature of an output XSLT transform; and

a process in said second XSLT transform for generating an XSLT template or a portion thereof based on said at least one XPath expression.

12. The system of claim 11, wherein the input file conforms to an XML schema designed for interoperability with said second XSLT transform.

13. The system of claim 11, further comprising prefabricated transforms that can be incorporated into said output XSLT transform.

14. The system of claim 11, further comprising at least one identification of a new file data format in said input file.

15. The system of claim 11, further comprising a process in said first XSLT transform to override a call to an abstract named template initiated by said second XSLT transform with a call to a portion of said first XSLT transform for generating said at least one first feature of an output XSLT transform.

16. The system of claim 11, further comprising a process in said second XSLT transform to call an abstract named XSLT template.

17. An XSLT transform, comprising:

a first component for transforming at least one section of an input file into an XSLT template

or portion thereof; and

a second component to call to an abstract named XSLT template.

18. The XSLT transform of claim 17, further comprising a third component for identifying at least one namespace prefix from the input file and generating a header for an output XSLT transform including said namespace prefix.

19. The XSLT transform of claim 18, further comprising a fourth component for generating a temporary namespace and inserting it into said header for an output XSLT transform.

20. The XSLT transform of claim 17, further comprising a third component for inserting at least one prefabricated XSLT template into an output XSLT transform.

21. A means for automatically generating all or part of an Extensible Stylesheet Language Transforms (“XSLT”) transform for transforming Extensible Markup Language (“XML”) data in a source file format into data in a new file format, comprising:

means for reading an input file that identifies at least one data pattern from an XML source file; and

means for generating at least one first feature of an output XSLT transform with a first process; and

means for incorporating a second process for generating an XSLT transform into said first process; and

means for said second process to use said input file to generate at least one second feature of said output XSLT transform .

22. The means for automatically generating all or part of an XSLT transform of claim 21, wherein said input file identifies at least one data pattern from an XML source file by identifying at least one XPath expression.

23. The means for automatically generating all or part of an XSLT transform of claim 21, wherein said input file also identifies at least one data pattern for a new file.

24. The means for automatically generating all or part of an XSLT transform of claim 23, further comprising means for pairing in said input file at least one XPath expression used to identify the at least one data pattern to an output data format for a new file.
25. The means for automatically generating all or part of an XSLT transform of claim 21, further comprising means for using said first process to override a call initiated by said second process with a call to a portion of said first process for generating said at least one first feature of an output XSLT transform.
26. The means for automatically generating all or part of an XSLT transform of claim 21, wherein said second process is an XSLT transform.
27. The means for automatically generating all or part of an XSLT transform of claim 21, wherein said second process includes a means for referencing at least one prefabricated XSLT transform in said output XSLT transform.
28. The means for automatically generating all or part of an XSLT transform of claim 21, wherein said second process generates at least one XSLT template corresponding to the at least one data pattern from an XML source file.
29. The means for automatically generating all or part of an XSLT transform of claim 28, wherein said second process includes a call to an abstract named XSLT template that can be used by said first process to initiate the insertion of additional features into said at least one XSLT template.
30. The means for automatically generating all or part of an XSLT transform of claim 21, wherein said input file conforms to an XML schema.